

NiceZyme View of ENZYME: EC 3.4.21.73

Official Name

U-plasminogen activator.

Alternative Name(s)

Cellular plasminogen activator.

Urinary plasminogen activator.

Urokinase.

Reaction catalysed

Specific cleavage of Arg-|-Val bond in plasminogen to form plasmin

Comment(s)

- Formed from the inactive precursor by action of plasmin or plasma kallikrein.
- Differs in structure from EC 3.4.21.68, and does not bind to fibrin.
- Belongs to peptidase family S1.
- Formerly EC 3.4.21.31 and EC 3.4.99.26.

Cross-references

Biochemical

Pathways; map number(s) [U2](#)

PROSITE [PDOC00124](#)

BRENDA [3.4.21.73](#)

PUMA2 [3.4.21.73](#)

PRIAM enzyme-specific profiles [3.4.21.73](#)

Kyoto University
LIGAND chemical database [3.4.21.73](#)

IUBMB Enzyme
Nomenclature [3.4.21.73](#)

IntEnz [3.4.21.73](#)

MEDLINE [Find literature relating to 3.4.21.73](#)

UniProtKB/Swiss-Prot [Q05589](#), UROK_BOVIN; [P15120](#), UROK_CHICK; [P00749](#), UROK_HUMAN; [P06869](#), UROK_MOUSE; [P16227](#), UROK_PAPCY; [P04185](#), UROK_PIG; [P29598](#), UROK_RAT;